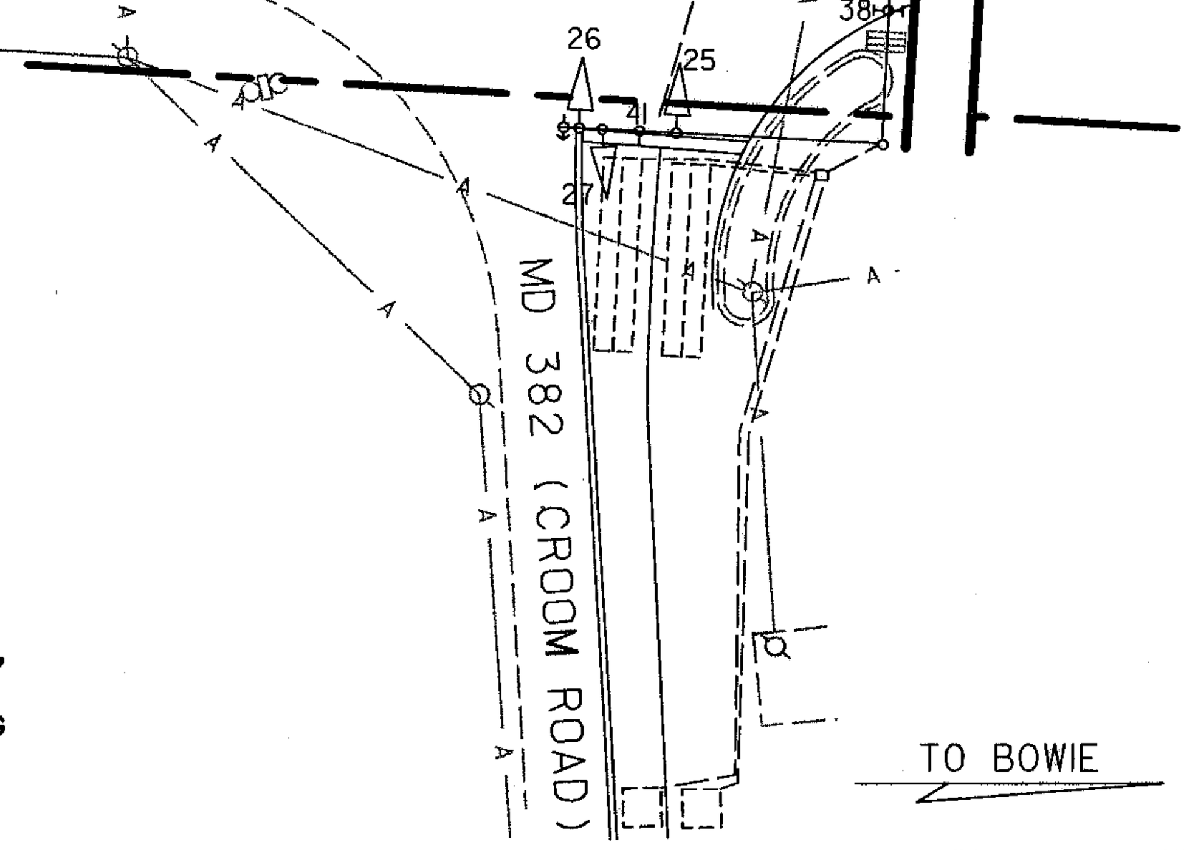


CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE (CUT TO 21 FT.) WITH TWIN 70 FT./50 FT. MAST ARMS. VEHICULAR SIGNAL HEADS, SIGNS, VIDEO DETECTOR CAMERA, OPTICOM DETECTOR, AND 4 - 2 IN. DIA X 72 IN. ANCHOR BOLTS. (NOTE: 1-4 IN. PVC 90 DEGREE BEND)

B. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)

C. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)

D. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)

E. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED PRIOR TO ROADWAY RESURFACING)

F. USE EXISTING POLE MOUNTED CONTROLLER AND INSTALL VIDEO DETECTOR CAMERA

G. USE EXISTING HANDHOLE

H. USE EXISTING CONDUIT

J. INSTALL HANDHOLE

K. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (FOR DETECTOR SLEEVE)

L. INSTALL 6 FT. X 6 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (4 TURNS)

M. INSTALL MICROLOOP PROBE SET

N. REMOVE AND DISPOSE OF EXISTING SIGNAL HEAD; INSTALL NEW SIGNAL HEAD

O. INSTALL 24 IN. WHITE HEAT-APPLIED THERMOPLASTIC PERMANENT PAVEMENT MARKING FOR STOP LINE

P. INSTALL GROUND-MOUNTED SIGN 1,600 FT SOUTH OF INTERSECTION ON TWO 4 INCH X 6 INCH WOOD SIGN SUPPORTS; REMOVE AND DISPOSE OF EXISTING GROUND MOUNTED SIGN

Q. REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT; RELOCATE SIGN AS NOTED

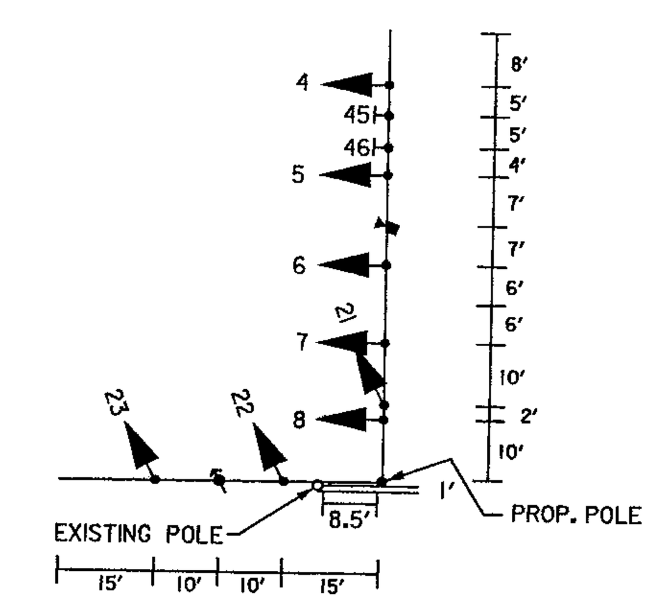
R. HANDHOLE TO BE REMOVED UNDER CLASS 2 EXCAVATION

S. SPLICE EXISTING LOOP WIRES TO PROPOSED 2-CONDUCTOR ALUMINUM-SHIELDED ELECTRICAL CABLES

T. INSTALL 14 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, SIGNAL HEAD AND 4-1 IN. DIA. 36 IN. ANCHOR BOLTS (NOTE: 1-3 IN. PVC 90 DEGREE BEND)

U. USE EXISTING BASE MOUNTED CONTROLLER

SIGNAL HEAD AND SIGN LAYOUT



GENERAL NOTES

1. THE CONDUITS AND LOOP DETECTORS SHOWN ARE TO BE INSTALLED PRIOR TO THE RESURFACING OF US 301.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF NEW GEOMETRICS PRIOR TO INSTALLATION OF NEW SIGNAL EQUIPMENT.
3. WITHIN 18 INCHES OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATIONS AND CONDUITS BY HAND.
4. ALL PROPOSED SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
5. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING STEEL POLES, MAST ARMS, SIGNAL HEADS, AND SIGNS AS NOTED ON THIS PLAN. EXISTING SIGNAL HEADS SHOWN ON THIS PLAN TO REMAIN SHALL NOT BE REMOVED. THE CONTRACTOR SHALL DISPOSE OF ALL ABANDONED CABLE.
6. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT EXISTS BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE, EXCLUDING INTERCONNECT, TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE. THE CONTRACTOR SHALL NOTIFY THE SHA SIGNAL SHOP 72 HOURS PRIOR TO CONSTRUCTION TO COORDINATE THE DISCONNECTION AND RECONNECTION OF INTERCONNECT CABLES. THE CONTRACTOR SHALL INSTALL THE NECESSARY CABLING (AS INDICATED ON THE WIRING DIAGRAM) BETWEEN BOTH THE EXISTING HIB CONTROLLER AND CONTROLLER AT S. OSBORNE ROAD AS WELL AS THE CONTROLLER AT S. OSBORNE ROAD AND CONTROLLER AT MD 382 PRIOR TO DISCONNECTING ANY EXISTING CABLE.
8. THE SPLICE KITS NEEDED TO CONNECT THE EXISTING LOOP WIRES TO THE PROPOSED 2-CONDUCTOR ALUMINUM SHIELDED ELECTRICAL CABLES ARE INCIDENTAL TO THE INSTALLATION OF THE 2-CONDUCTOR ALUMINUM SHIELDED ELECTRICAL CABLE PER MD SPECIFICATION 810.03.06.

SS-1

UTILITY LEGEND

—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—A—A—	AERIAL CABLES
—T—T—	TELEPHONE CABLES
—FO—FO—	FIBRE OPTIC CABLES

STV Incorporated

engineers /architects /planners /scientists /construction managers

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REVISIONS

ADDENDUM NO.1 3/31/03

(G) REPLACE NE POLE AND MAST ARM AT S. OSBORNE RD; ADD VIDEO DETECTION AND NB EXCLUSIVE LEFT SHA NO. PG-2545176 — 2/2003

STV BAB — BRK

(F) COMBINE OSBORNE WITH MD 482 INTO ONE INTERSECTION, ADD NB E/P LT TURN AT MD 382 TIMS# E365 — 2/2001

CJS

(E) ADD SB E/P LT TURN — 5/1998

MEL

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINALS ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

US 301 (CRAIN HIGHWAY) AND SOUTH OSBORNE ROAD/MD 382 (CROOM ROAD) TRAFFIC SIGNALIZATION PLAN

DRAWN BY:		F.A.P. NO.	SEE TITLE SHEET	TS NO. 2366-G	SHEET NO.
CHECKED BY:		S.H.A. NO.			
SCALE:	1 IN. = 30 FT.	COUNTY:	PRINCE GEORGE'S	T.I.M.S. NO. F537	
DATE:		LOG MILE:	16030110.34		10 OF 15

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